

CA2312000

Poly Ethylene
GLYCOL
Tube Bending ~~Bits~~

M A T E R I A L S A F E T Y D A T A S H E E T

Dow Chemical U.S.A. Midland, MI 48674 Emergency Phone: 517-636-4400

MSD: 000935 Page: 1

PRODUCT NAME: POLYGLYCOL E-4500 DPM 2614-1

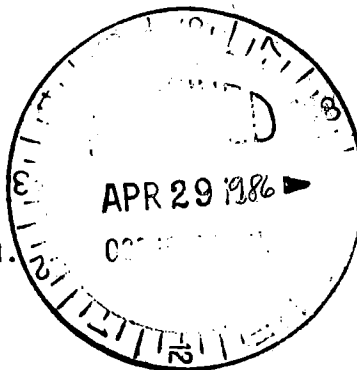
Effective Date: 12/05/78 Date Printed: 10/16/85 Product Code: 68528

1. INGREDIENTS:

Polyethylene glycol (essentially) 100%

2. PHYSICAL DATA:

BOILING POINT: Decomposes
VAP PRESS: Low (mmHg @ 20C)
VAP DENSITY: Not applicable
SOL. IN WATER: >100 g/100g
SP. GRAVITY: 1.2 @ 25/25C
APPEARANCE: Colorless/bland solid.
ODOR: Not available.



3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: 500F
METHOD USED: PMCC

FLAMMABLE LIMITS
LFL: Not determined
UFL: Not determined

EXTINGUISHING MEDIA: Water fog, alcohol foam, dry chemical

FIRE & EXPLOSION HAZARDS: Supports combustion. Dust/air mixtures may be flammable.

FIRE-FIGHTING EQUIPMENT: Not available.

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4. REACTIVITY DATA:

STABILITY: (CONDITIONS TO AVOID)

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Oxidizing material.

HAZARDOUS DECOMPOSITION PRODUCTS:

HAZARDOUS POLYMERIZATION: Will not occur.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Should not be left on floor - makes it slippery. Scoop into drums. Do not breathe dust.

DISPOSAL METHOD: Salvage or burn in accordance with federal, state, and local laws.

6. HEALTH HAZARD DATA:

EYE: Up to slight pain and minor irritation (response transitory).

SKIN CONTACT: No significant skin irritation, nor sensitization.

SKIN ABSORPTION: Low in acute and chronic toxicity.

INGESTION: Low acute and chronic toxicity. LD50 range: 30 - >50 g/kg (mice, rats, guinea pigs, rabbits).

INHALATION: No guide for control known. Because of the low degree of toxicity, inhalation hazard is considered to be low.

SYSTEMIC & OTHER EFFECTS: None expected unless large quantities are ingested.

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7. FIRST AID:

EYES: Irrigation of the eye immediately with water for five minutes is good safety practice.

SKIN: Wash off in flowing water.

INGESTION: Low in toxicity. Induce vomiting if large amounts are ingested.

INHALATION: Remove to fresh air if effects occur. Consult medical personnel.

NOTE TO PHYSICIAN:

Eyes: No effect expected. Stain for evidence of corneal injury. Skin: No effect expected.

Respiratory: No tox data.

Oral: Low in toxicity.

General: Human effects not established. No specific antidote. Treatment based on the sound judgment of the physician and the individual reactions of the patient.

8. HANDLING PRECAUTIONS:

VENTILATION: Good room ventilation usually adequate for most operations.

RESPIRATORY PROTECTION: None normally needed.

SKIN PROTECTION: None required.

EYE PROTECTION: Not normally necessary.

9. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store above 110F preferably below 95F in contact with air. Do not contact with hot ignition source, such as an electric element. Observe reasonable care and cleanliness. Slightly hygroscopic, avoid contact with moist air. Oxidized by

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9. ADDITIONAL INFORMATION: (CONTINUED)

prolonged contact with air, keep containers sealed.

MSDS STATUS:

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